

INVESTMENT CASTING METHOD AND CORES
AND DIES USED THEREIN

[0027] A method for making an article by an investment casting process is presented, along with a method for making casting cores, the casting cores made by this method, and dies for making such cores. The method for making a component comprises providing a single-piece sacrificial die, the die comprising at least one internal cavity; introducing a ceramic slurry into the at least one cavity of the die, the slurry comprising a ceramic and a carrier fluid; curing the slurry to form a ceramic casting core; removing the sacrificial die by exposing the die to an environment adapted to destroy the die while leaving the ceramic casting core intact; and performing an investment casting process using the ceramic casting core as part of a mold-core assembly to form the component.